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DSMC HAS
HOT TOPICS
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DEFENSE ACQUISITION!

ACQUISITION STRATEGY
JOINT SERVICE PROGRAMS
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EVOLUTIONARY ACQUISITION
ACQUISITION GLOSSARY
SCHEDULING GUIDES
SYSTEMS ENGINEERING
MANUFACTURING MANAGEMENT
INTEGRATED LOGISTICS SUPPORT
RISK ASSESSMENT
WARRANTIES
COST REALISM
DEFENSE BUDGET STRATEGIES
COMPETITIVE PRODUCTION
WEIGHTED GUIDELINES
COMMUNICATION SKILLS
PROACTIVE ORGANIZATIONS
DEFENSE SYSTEMS DESIGN
LESSONS LEARNED
SYMPOSIUM PROCEEDINGS
CONTRACT APPRAISAL
COMPETITION EVALUATION
COST ANALYSIS
COST ESTIMATING
SUPPORT SYSTEMS

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DEFENSE SYSTEMS MANAGEMENT COLLEGE

The Defense Systems Management College (DSMC) is dedicated to educating acquisition professionals and conducting research to improve defense acquisition management. Located at Fort Belvoir, Virginia, the College offers advanced courses of study which are designed to prepare selected military officers and civilians for responsible positions in program management and other associated functions. Since its founding in 1971 under then Deputy Secretary of Defense David Packard, DSMC has also conducted research into the many facets of acquisition management and disseminated the results of that work throughout the acquisition community.

RESEARCH PROGRAM

The Department of Research and Information has primary responsibility for the research and information dissemination elements of the DSMC mission. The research program is conducted by professional faculty members assigned to the Department, as well as by faculty members assigned primary teaching duties in the School of Education.

On campus, results of the research are maintained in the College library which provides information and reference services to DSMC students, faculty and staff.

Disseminating the results of DSMC research throughout the acquisition community at large is an equally important function of the Department. Through the media of guidebooks, reports and monographs, as well as a bimonthly periodical, the fruits of the College's research endeavors are made available to policymakers, practitioners, educators, and students of systems acquisition management.

Recent publications, Software modules and forthcoming titles are described in the pages that follow.

HOW TO ORDER DSMC PUBLICATIONS

Each of the publications described in this brochure refers to one or more "sources" from which that document is available.

Individuals may request copies of DSMC publications through the appropriate source(s).

DTIC The Defense Technical Information Center (DTIC) provides copies of DSMC publications at cost to government and industry subscribers. Cite the title and appropriate DTIC number and address requests to:

Defense Technical Information Center (DTIC)
ATTN: DOC Orders Cameron Station
Alexandria, Virginia 22304-6145
Telephone: (703) 274-7633; AV 284-7633

Note: All DSMC publications available from DTIC are also available to the general public at cost through National Technical Information Service (NTIS). Use the DTIC ADA number and address requests to:

National Technical Information Service (NTIS)
5284 Port Royal Road
Springfield, Virginia 22161
Telephone: (703) 487-4650

GPO The U.S. Government Printing Office (GPO) sells a number of DSMC publications through its retail bookstores located in Washington, D.C., and other cities around the country. Mail orders may be placed by writing to:

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

GPO accepts Mastercard and VISA orders.
Telephone: (202) 783-3238

DSMC Limited numbers of DSMC publications are available through the College itself to government employees. Program Manager, DSMC's Professional Journal, is available at no cost to government employees. Others may subscribe through The Government Printing Office. Follow the procedures described above when ordering through GPO. Requests to DSMC should be addressed as follows:

Director of Publications
DSMC-DRI-P
Fort Belvoir, Virginia 22060-5426

PUBLICATIONS CURRENTLY AVAILABLE

Program Management

- The Program Manager's Notebook
- Acquisition Strategy Guide
- JLC Guide for the Management of Joint Service Programs
- Guide for the Management of Multinational Programs
- Evolutionary Acquisition An Alternative Strategy for Acquiring (C^2) Systems
- Congressional Involvement and Relations Guide
- Scheduling Guide for Program Managers
- Glossary
- The Program Manager's Support System (PMSS) Executive Overview
- Introduction to Defense Acquisition Management

Technical Management

- Systems Engineering Management (SEM) Guide
- Defense Manufacturing Management Guide
- Integrated Logistics Support (ILS) Management Guide
- Risk Management Concepts and Guidance
- Warranty Handbook
- Mission Critical Computer Resources Management Guide
- Managing Quality and Productivity in Aerospace and Defense
- Test and Evaluation Management Guide
- System Life Cycle Technical Activities Chart (SE-T 1001)

Business and Financial Management

- Cost Realism
- Establishing Competitive Production Sources
- Strategies for Dealing with the Defense Budget
- Integrating Industrial Preparedness Into the Acquisition Process
- Subcontracting Management Handbook
- Technology Transfer: A Program Office Guide
- Using Commercial Practices in DOD Acquisition
- EUROPE 1992 Catalyst For Change In Defense Acquisition

General

- Skill in Communication
- 1989 Federal Acquisition Research Symposium Proceedings

Monographs

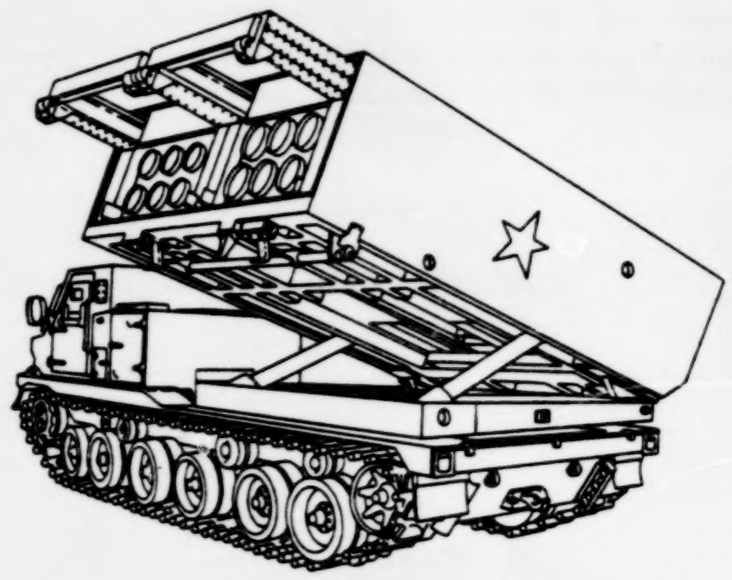
- A Cybernetic Model for the Proactive Organization
- Designing Quality into Defense Systems

Periodical

- Program Manager

Lessons Learned

- M1 Abrams Tank System
- Advanced Attack Helicopter
- Multiple Launch Report System



THE PROGRAM MANAGER'S NOTEBOOK (MARCH 1989)

SOURCES:
DSMC
DTIC/NTIS - ADA 214-338
GPO - 008-020-01188-6 ($24.00)

A unique reference tool for program managers and related functional or staff managers. The document is in the form of a three-ring notebook containing a series of fact sheets on the fundamentals of nearly all major facets of the program management business with references for sources of more detailed information on each subject. Updated and new fact sheets will be announced in Program Manager as they become available.

ACQUISITION STRATEGY GUIDE (1984)

SOURCES:
DSMC
DTIC/NTIS - ADA 148-423
GPO -

A guidebook outlining the factors that a program manager and his team should consider in planning, structuring, and executing the acquisition strategy for their program. The guide captures many of the successful ideas used in current programs and discusses typical strategic alternatives available to program managers along with the criteria, advantages, and disadvantages associated with each. An update of this publication is planned in 1991.

JOINT LOGISTICS COMMANDER'S GUIDE FOR THE MANAGEMENT OF JOINT SERVICE PROGRAMS (1987)

SOURCES:
DSMC
DTIC/NTIS - ADA 189-225

A handbook for managers entering the world of multiservice systems acquisition. Describes the nature of joint programs, how they differ from single-service programs, which aspects of program management demand greater emphasis than those in single-service programs, and some of the pitfalls of joint program management. Outlines considerations in acquisition strategy, organization and staffing, financial management, engineering management, test and evaluation, and logistics, security and successful programs and lessons learned.

GUIDE FOR THE MANAGEMENT OF MULTINATIONAL PROGRAMS (1987)

SOURCES:
DSMC
DTIC/NTIS - ADA 191-433

This guide is intended primarily for use in the courses at the Defense Systems Management College (DSMC), and secondarily as a desk reference document for program and project management personnel. The Guide is written for current and potential DOD Program Managers (PMs), who have familiarity with the basic concepts, terms, and definitions employed in domestic programs. It is intended to help the PM deal with the multifaceted features of an international program by relating the above elements of those of a national program. It should be of assistance to personnel involved in international acquisitions both in this country and overseas. PMs must, of course, rely on official documentation for detailed decision-making and administration.

EVOLUTIONARY ACQUISITION (1987)

AN ALTERNATIVE STRATEGY FOR ACQUIRING COMMAND AND CONTROL (C^2) SYSTEMS

SOURCES:
DSMC
DTIC/NTIS - ADA 190-509

This guide encourages consideration and use of an Evolutionary Acquisition (EA) strategy by the Services in acquiring C^2 systems. While this guidance is aimed specifically at the use of an EA strategy in acquiring Command and Control systems, the principles discussed may also be applicable to the acquisition of other kinds of systems. This EA strategy is of a character that the system is not required to have full capability when deployed, but will evolve to full capability through one or more incremental upgrades. Considered most broadly, EA consists of first sequentially defining, funding, developing, testing, fielding, supporting and evaluating increments of the system.

CONGRESSIONAL INVOLVEMENT AND RELATIONS (1989)

A GUIDE FOR DOD MANAGERS

SOURCES:
DSMC
DTIC/NTIS - ADA 214-408

This Guide is written to assist defense acquisition managers in achieving that necessary knowledge of congressional involvement and relations. While it specifically addresses acquisition matters, it actually has across-the-board application for the entire Department and should be useful to all DOD officials. This guide describes how the Congress is organized and structured to carry out its two major responsibilities in dealing with DOD: the legislative process and the oversight function.

INTRODUCTION TO DEFENSE ACQUISITION MANAGEMENT (1989)

SOURCES:
DSMC
DTIC/NTIS - ADA 209-388
GPO - 008-020-01168-1 ($2.50)

This pamphlet is a quick study to refresh the skilled and experienced person and to introduce and enlighten the newcomer. It focuses on DOD-wide applications rather than on details of how a specific weapon system program is managed.

SCHEDULING GUIDE FOR PROGRAM MANAGERS (1990)

SOURCES:
DSMC
DTIC/NTIS - ADA 220-074
GPO - 008-020-01196-7 ($4.00)

This guide concerns key tools used by program managers and their teams to plan, schedule, and control the work to be accomplished. These include bar charts, milestone charts, line-of-balance charts, and network-based systems. Descriptions of scheduling techniques are, for the most part, presented in their purest forms; in practice, however, hybrids involving the use of characteristics from several techniques may be found in a single application. Some or many techniques may be employed on a specific program with one technique used at one level of scheduling, and other techniques at other levels.

GLOSSARY OF DEFENSE ACQUISITION ACRONYMS AND TERMS (1989)

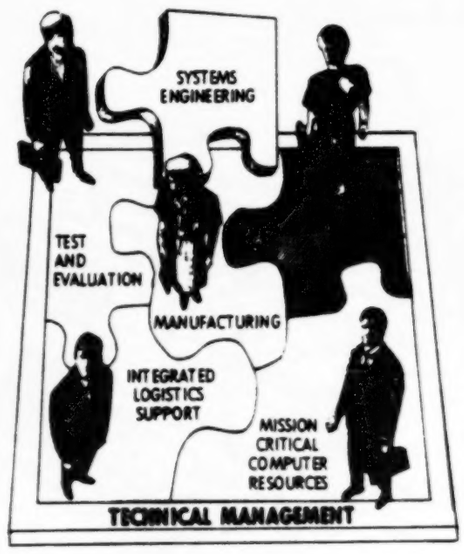
SOURCES:
DSMC
DTIC/NTIS - ADA 217-975
GPO - 008-020-01187-8 ($10.00)

This glossary contains most acronyms, abbreviations and terms commonly used in the weapon systems acquisition process within the Department of Defense and industry. It focuses on those with generic application and those principal service-unique ones with whom persons outside the service might deal and thus require reference.

SYSTEMS ENGINEERING MANAGEMENT GUIDE (1990)

SOURCES:
DSMC
DTIC/NTIS - ADA 223-168
GPO - 008-020-01202-5 ($15.00)

This guide provides a working familiarity with systems engineering management and its role in overall technical management. A number of tools and processes have been developed to assist the systems engineer in defining requirements, configuring and sizing the system, managing its development, and verifying the capability of the design. This guide compiles many of these techniques into an overall description of systems engineering and systems engineering management for use by program management personnel.



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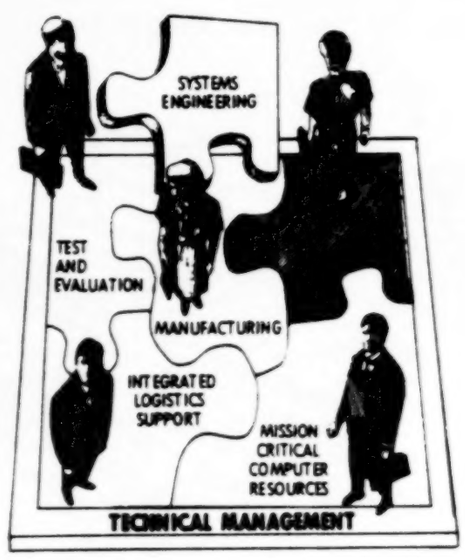


DEFENSE MANUFACTURING MANAGEMENT GUIDE (1989)

SOURCES:
DSMC
DTIC/NTIS - ADA 214-341
GPO - 008-020-01169-0 ($17.00)

A desk reference for program managers and their staffs, particularly those involved in preparing for and executing the production phase of a program. Detailed discussion of manufacturing management addressing topics in manufacturing planning, scheduling, and cost estimating; producibility; manufacturing processes and controls; transition from development to production; product assurance; and factory of the future.

INTEGRATED LOGISTICS SUPPORT (ILS) GUIDE (1986)

SOURCES:
DSMC
DTIC/NTIS - ADA 192-008
GPO -

A guide for both newcomers and experienced practitioners on ILS concepts and techniques, particularly as they relate to research, development, and acquisition management. Major topics addressed include: developing the ILS program; programming, budgeting, and contracting for ILS; test and evaluation; providing the support; and international, non-major, and joint programs. A 1991 update of this publication is scheduled.

RISK MANAGEMENT CONCEPTS AND GUIDANCE (1989)

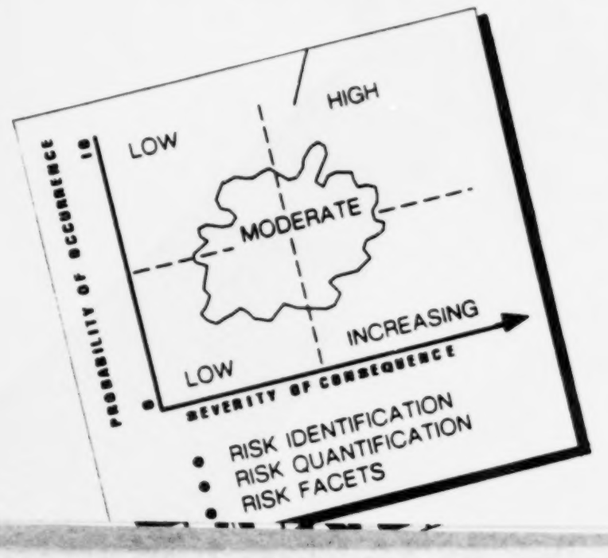
SOURCES:
DSMC
DTIC/NTIS - ADA 214-342
GPO - 008-020-01164-9 ($13.00)

A handbook for program managers and their staffs. Written for seasoned managers as well as "laymen" with little experience in accomplishing a quantitative risk assessment of an acquisition program. Explains what a risk assessment is and why it should be considered. Describes various methods for conducting risk assessments. Detailed appendices provide additional information on techniques, service policies and centers for research.

WARRANTY HANDBOOK (1986)

SOURCES:
DSMC
DTIC/NTIS - ADA 170-448

This handbook is designed to aid program managers in meeting the requirements of the law passed in 1985 requiring inclusion of a warranty in weapon system production contracts. The statutory requirements, associated DOD policy, and military service focal points are reviewed. Warranty concepts and issues are described, including the two basic types of warranty: assurance and incentive. These warranty types distinguish the simpler warranty forms from warranties designed to motivate the contractor to exceed minimum performance levels. Development activities considered include formulating a warranty acquisition strategy, developing warranty terms and conditions, conducting warranty cost-benefit analyses, and implementing and administering the warranty. Reviews of warranty applications are also included.



MANAGING QUALITY AND PRODUCTIVITY IN AEROSPACE AND DEFENSE (1989)

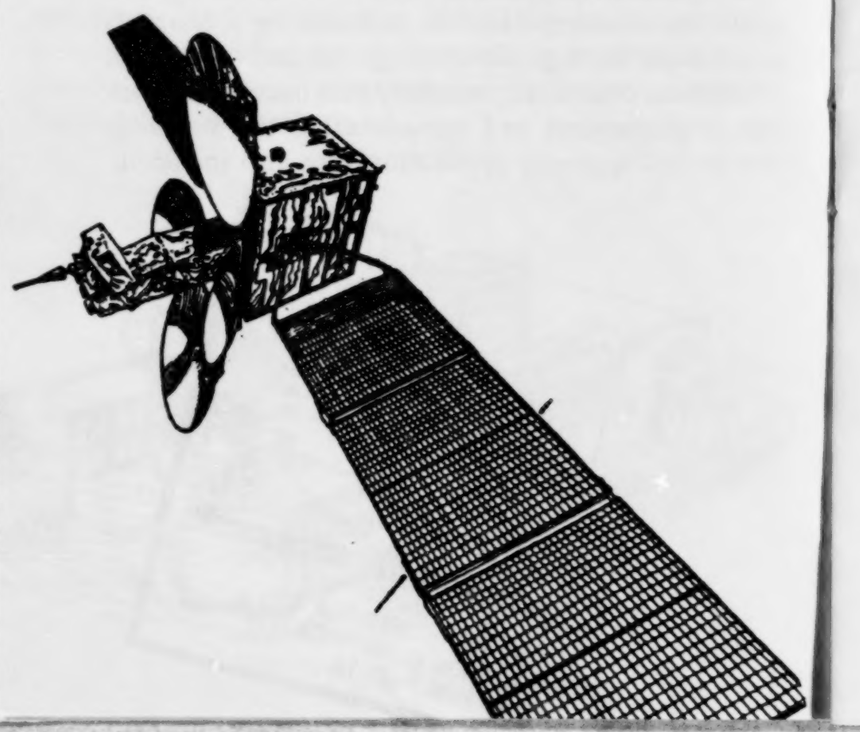
SOURCES:
DSMC
DTIC/NTIS - ADA 215-186
GPO - 008-020-01179-7 ($15.00)

This document has been designed and developed to provide management teams and leaders in the aerospace and defense contracting community with state-of-the-art and practice concepts, theories, strategies, and techniques relative to quality and productivity management. The document is the product of a five-phase, six-year study funded by the DOD.

MISSION CRITICAL COMPUTER RESOURCES MANAGEMENT GUIDE (1990)

SOURCES:
DSMC
GPO - 008-020-01217-3 ($11.00)

This guide is one of a family of educational guides written from a DOD perspective (i.e., non-service peculiar). It is intended primarily for use in the courses at the Defense Systems Management College (DSMC) and secondarily as a desk reference for program and project management personnel. It's written for current and potential DOD Acquisition Managers who have some familiarity with the basic terms and definitions of the acquisition process.



TEST AND EVALUATION MANAGEMENT GUIDE (1988)

SOURCES:
DSMC
DTIC/NTIS - ADA 221-632
GPO - 008-020-01135-5 ($15.00)

This guide is one of a family of educational guides written from a DOD perspective (i.e., non-service peculiar). It is intended primarily for use in the courses at the Defense Systems Management College (DSMC) Technical Management Department and secondarily as a desk reference for program and project management personnel. It has been developed to assist the acquisition community obtain a better understanding of the complexities of test and evaluation.

SYSTEM LIFE CYCLE TECHNICAL ACTIVITIES CHART (SE-T 1001) (1988)

SOURCES:
DSMC

The acquisition process consists of managing the technical activities by establishing and maintaining a balance among cost (the resources required to acquire, produce, operate and support, and dispose of a system), system effectiveness (the degree to which a system can be expected to achieve a set of specific mission requirements), and schedule. This chart addresses the phases of system life cycle technical activities.

COST REALISM HANDBOOK (1985)

SOURCES:
DSMC
DTIC/NTIS - ADA 214-266

This handbook is about source selection cost evaluation for competition, cost reimbursable contracts with particular emphasis on assuring more realistic contractor cost proposals. It is intended as a practical guide and reference for program management personnel and source selection personnel. It presents available techniques and procedures and how to apply them. The techniques are both qualitative and quantitative in nature. Look for an update in late 1991.

ESTABLISHING COMPETITIVE PRODUCTION SOURCES (1984)

SOURCES:
DSMC
DTIC/NTIS - ADA 146-006

A handbook for program managers and other acquisition professionals planning for, or considering, competition in the production phase of a program. Provides a systematic guide for assessing the feasibility and effectiveness of production competition in a detailed, rigorous, and quantitative fashion, then discusses key issues involved in implementation and execution.

INTEGRATING INDUSTRIAL PREPAREDNESS INTO THE ACQUISITION PROCESS (1989)

SOURCES:
DSMC
DTIC/NTIS - ADA 214-343
GPO - 008-020-01165-7 ($10.00)

This guide demonstrates "how to think" about preparedness and leads the reader through the maze of DOD and other government instructions addressing the different aspects of preparedness. The series of important acquisition issues discussed in the guide illustrate the need for unified effort. The authors describe what might be done to resolve these issues.

SUBCONTRACTING MANAGEMENT HANDBOOK (1988)

SOURCES:
DSMC
DTIC/NTIS - ADA 225-673
GPO - 008-020-01140-1 ($8.00)

This handbook is to provide a ready reference on subcontracting management, for use by Department of Defense (DOD) joint and single service acquisition Program Management Offices (PMOs) staffs, Contract Administration Offices (CAO's) personnel, and Defense Systems Management College (DSMC) students and faculty. The handbook discusses relevant policies, procedures, responsibilities, as well as recommended approaches to subcontracting management, based on an evaluation of guidance provided by the Services.

A PROGRAM OFFICE GUIDE TO TECHNOLOGY TRANSFER (1988)

SOURCES:
DSMC
DTIC/NTIS - ADA 214-265

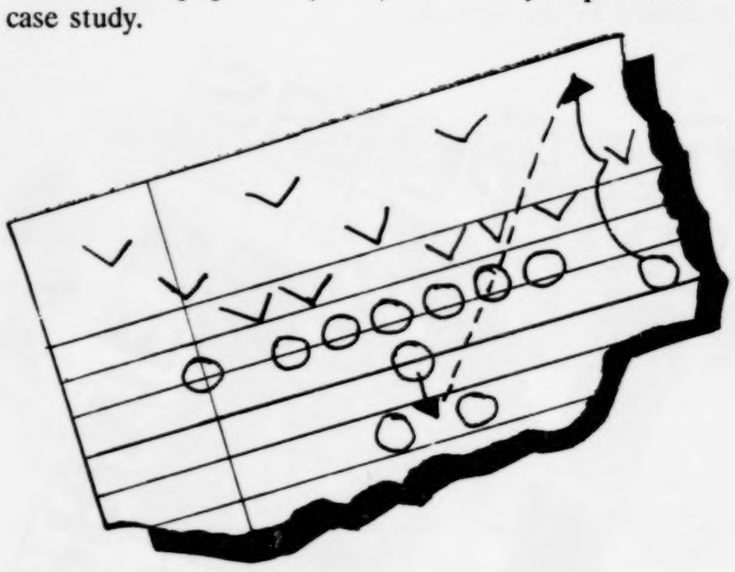
This guide has been prepared to assist Program Offices in planning and executing technology transfer. Key elements of the guide include the following: program objectives, technical requirements, second source qualification, demonstration milestones, timing of technology transfer and implementation alternatives.

USING COMMERCIAL PRACTICES IN DOD ACQUISITION (1989)

A PAGE FROM INDUSTRY'S PLAYBOOK

SOURCES:
DSMC
DTIC/NTIS -

This report represents the efforts of the first group of military Research Fellows at the Defense Systems Management College. The 11-month senior Service, college-level fellowship included 3 months at Harvard Business School's Program for Management Development. This volume is the full research report which includes the commercial case studies documented during industry site and the Mobile Subscriber Equipment (MSE) U.S. Army acquisition case study.



EUROPE 1992 CATALYST FOR CHANGE IN DEFENSE ACQUISITION (1990)

SOURCES:
DSMC
DTIC/NTIS - ADA 228-710

This study represents the combined efforts of three military Research Fellows involved in an 11-month, senior service college level research program. Chartered by the Under Secretary of Defense for Acquisition, the program has a dual purpose; first, to provide professional military education for three selected officers from the Army, Navy and Air Force and, second, to conduct research in a subject of interest to the U.S. acquisition community.

STRATEGIES FOR DEALING WITH THE DEFENSE BUDGET (1983)

SOURCES:
DTIC/NTIS - ADA 134-459

A research report providing an information base about topline defense budget turbulence and its causes. The study examines a process for coping with turbulence and explores alternative strategies for dealing with the problem.

1989 FEDERAL ACQUISITION RESEARCH SYMPOSIUM PROCEEDINGS

SOURCES:
DSMC
DTIC/NTIS - ADA 214-344

A collection of the professional papers presented at the 1989 Federal Acquisition Research Symposium held in November 1989. Features papers by senior people from government (defense and civilian agencies), industry and academe on wide-ranging subjects related to all aspects of acquisition management.

PROCEEDINGS OF THE "MANAGING THE INDUSTRIAL MODERNIZATION PROCESS" CONFERENCE (1990)

SOURCES:
DSMC
DTIC/NTIS - ADA 228-737

The Defense Systems Management College (DSMC) and the Project Management Institute (PMI) sponsored a conference for industry and government personnel to discuss managing the industrial modernization process. The goal was to identify and prioritize issues and recommend ways to improve quality and productivity in the defense industrial base. The approach was to look at policy, practice, and education issues affecting industrial modernization. The participants successfully used this format to develop a number of recommendations which are provided in these proceedings.

DESIGNING QUALITY INTO DEFENSE SYSTEMS (1991)

SOURCE:
DSMC
DTIC/NTIS -

In this monograph, Professor Wilbur V. Arnold describes contemporary tools, talent, issues, and techniques applicable to designing defense products. The objectives are to provide insight for managers concerned with the design function and to provide designers with better understanding of the scope, tools, and issues involved. The material is based on publications by Professor Arnold (and as co-author) in the Defense Systems Management College Program Manager, and readings and charts developed for the college's Program Management Course by the author and faculty members of the Technical Management Department.

SKILL IN COMMUNICATION (1990)

SOURCES:
DSMC
GPO - 008-020-01218-1 ($4.50)

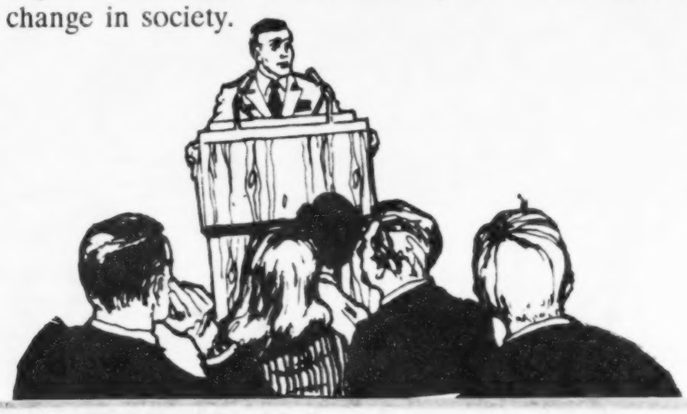
A concise booklet on the skills needed for effective communication. Provides suggestions for presenting plans and ideas and discusses effective writing as well as efficient listening and reading. Offers helpful insight on non-verbal communication, communication barriers, techniques for conducting successful meetings, and communication within the organization.

DECISIONS SUPPORT SYSTEMS IN THE PRIVATE SECTOR (1987)

A CYBERNETIC MODEL FOR THE PROACTIVE ORGANIZATION

SOURCES:
DSMC
DTIC/NTIS - ADA 191-098

The logic underlying decisions, and decision support systems, depends fundamentally on our assumptions about, and models of, the organizations in which these decisions are made. In this monograph, the late Dr. Fred Waelchli, Professor of Management, suggested that current systems models of the organization are incomplete and defective, and that implicit use of these models may corrupt the decision process in our organization. Dr. Waelchli proposed a cybernetic model of the organization, derived from the work of W. Ross Ashby and Stafford Beer, that resolves the difficulties with the existing system models, and establishes a methodical foundation for Peter Drucker's major premise that the organization exists fundamentally to create useful change in society.



MULTIPLE LAUNCH ROCKET SYSTEM (1980)

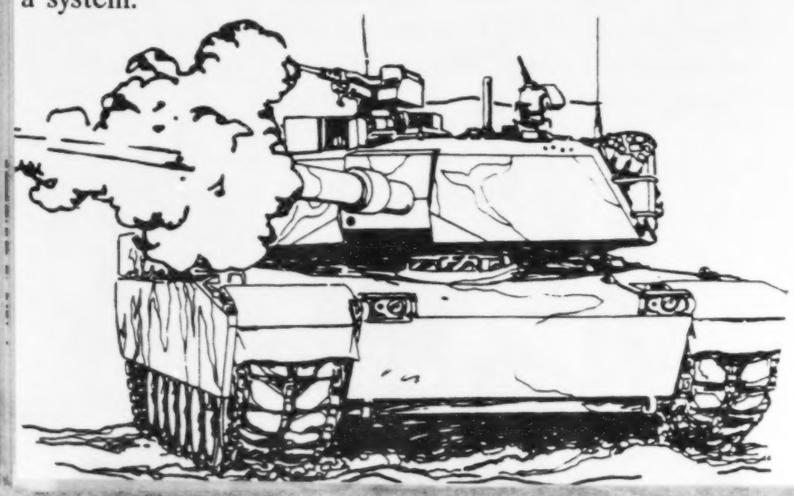
SOURCES:
DSMC
DTIC/NTIS - ADA 116-364

One of the factors in the successful management of any defense systems acquisition project/program might well be the application of lessons learned from previous projects. The best sources for lessons learned are generally the personnel from the Materiel Development Command, project management offices, contractors, supporting service organizations. The team that prepared this report on the Multiple Launch Rocket System spoke with the personnel from these sources and recorded their observations and summarized the lessons learned for consideration by both present and future defense systems acquisition project/program managers and their staffs.

M1 ABRAMS TANK SYSTEM (1983)

SOURCES:
DSMC
DTIC/NTIS - ADA 135-524

The second in a series of lessons learned studies performed on major Army systems at the request of the Assistant Secretary of the Army (Research, Development and Acquisition). The study focuses on the success of the M1 program office in coping with problems and issues in such areas as technology, technical risks, business management,' configuration management, test and evaluation, integrated logistics support, international collaboration, transitioning to production, and production. The study identified the following basic factors which have contributed to the success of the M1 program: continuing high level support of the program as an integral part of the Army's force modernization program; continuity of key civilian personnel; good concept definition and statement of user requirements; innovative planning and effective management through the acquisition of a system.



ADVANCED ATTACK HELICOPTER (1983)

SOURCES:
DSMC
DTIC/NTIS - ADA 135-521

The third in a series of lessons learned studies performed on major Army systems at the request of the Assistant Secretary of the Army (Research, Development and Acquisition). The study focuses on the success of the AAH Program Office in coping with problems and issues on such areas as technology, technical risks, business management, and transitioning to production. The study identified the following basic factors which have contributed to the success of the AAH program: continuity of key personnel within the program management office; innovative planning and effective management of the competition; continuing Army support of the AAH program as an integral part of the force modernization program; and intensive management when required.

PROGRAM MANAGER

SOURCES:
DSMC (Government Only)
GPO (Non-Government)

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$2.50 - single copy

Non-Government (Foreign)
$11.90/yr. - 6 issues;
$3.13 - single copy

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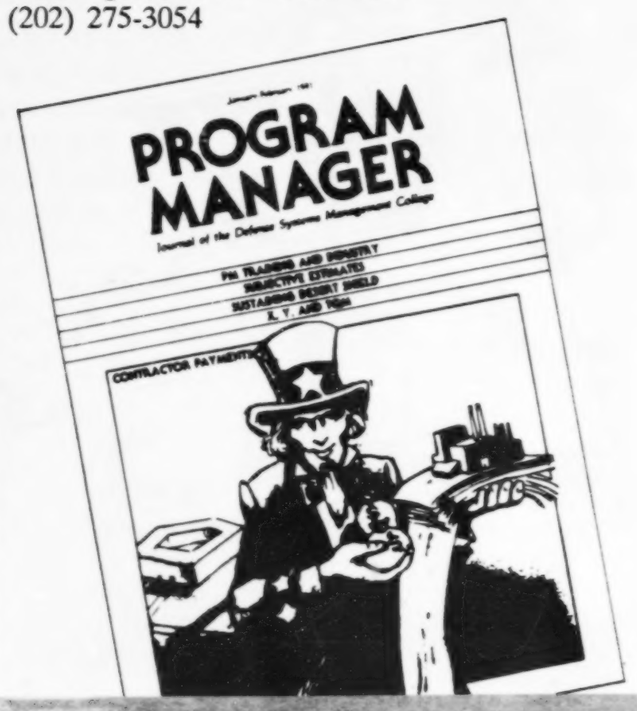


THE PROGRAM MANAGER'S SUPPORT SYSTEM (PMSS); An Executive Overview and Descriptions of Functional Modules

SOURCE:
DSMC

This booklet provides an executive overview and a description of The Program Manager's Support System (PMSS). The purpose of the PMSS is to assist managers in a program management office (PMO) with their decision-making process, and to help them execute their projects more effectively and efficiently. The PMSS project has two major products: 1) functional software modules that can be used as stand alone programs, and 2) the integrated PMSS which will incorporate the functionality of the modules into a single software package to aid in the management of the life cycle of a program. Limited distribution of a single user version of the integrated PMSS is scheduled for fiscal year 1991.

HOW TO OBTAIN DSMC SOFTWARE MODULES

All DSMC software modules are accompanied by a user's manual. The software is designed for use on IBM PC/XT/AT, Zenith 248, or compatible computers. Modules are available to U.S. government agencies at no cost. To obtain modules, send a written request stating the name of the module desired, name of a personal point of contact, organization, office code and postal address of the requesting office, plus the required number of double-sided, double-density, 5 1/4" floppy disks to:

Defense Systems Management College
ATTN: DRI-S (Helen Haltzel)
Fort Belvoir, VA 22060-5426
AV: 354-5783; or (703) 780-1850

PMSS

DSMC/PMSS SOFTWARE MODULES AVAILABLE

AUTOMATED PROGRAM PLANNING AND DOCUMENTATION MODULE (APPDM)

This module assists program managers with planning and creating the requisite documentation associated with an element's planning activity. APPDM can assist with creating a Program Management Plan (PMP), Production Strategy/Plan (PS/P), Test and Evaluation Master Plan (TEMP), Systems Engineering Management Plan (SEMP), Integrated Logistics Support Plan (ILSP), and Risk Analysis and Management Plan (RAMP). The software program aids in developing the above documents by helping to identify, describe, schedule, and track the progress of the activities that lead to the creation of these documents, and by providing sample documents which combine with the user's program summary data to create draft documents. These documents can then easily be tailored to fit a particular program's needs. Requires 4 disks.

CONTRACT APPRAISAL SYSTEM (CAPPS)

The CAPPS helps managers keep abreast of, and quantify project contract status. CAPPS provides an analysis of Cost Performance Report (CPR) or Cost/Schedule Status Report (CSSR) data provided by contractors. The module provides performance "exception" indicators, interpretations of the data presented, and automated trend analysis. CAPPS makes maximum use of color and graphical presentations and has such features as zoom (to show more clearly the last 6 months of data) and full explanation screens. CAPPS includes mathematical checks on new data, key elements based on lowest work breakdown structure element, and incorporation of actual data in the explain screens. Requires 2 disks.

COST ANALYSIS STRATEGY ASSESSMENT (CASA) MODULE

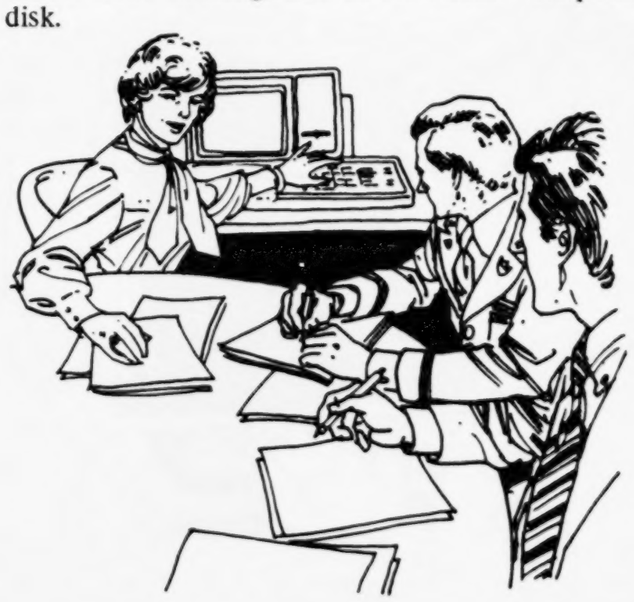
The CASA module was derived from Honeywell's Total Resources and Cost Evaluation (TRACE) family of logistics and Life Cycle Cost (LCC) models. It can be used for a number of tasks, including life cycle cost analysis, trade-off analyses, warranty analyses, spares provisioning, resource projections, risk and uncertainty analyses, cost driver sensitivity analyses, reliability growth analyses, operational availability analyses, and spares optimization. With these capabilities, CASA can also be used in Design to Life Cycle Cost (DTLCC) studies. Requires 3 disks.

COMPETITION EVALUATION MODEL (CEM)

The CEM is an analytical tool to help decision-makers determine the economics of using production competition, by comparing the benefits with the costs of using a competitive production strategy. CEM keeps track of a large number of variables and assumptions, and performs break-even and sensitivity analyses on those variables. CEM is a product of the DSMC Business Management Department. Requires 1 disk.

EXECUTIVE SUPPORT SYSTEM (ESS) MODULE

This module provides a daily calendar function, telephone and address list, points of contact list, action item tracking, and travel status. Requires 1 disk.



GOVERNMENT ACTIVITY TASKING (GAT) MODULE

The GAT module is used to plan and track tasks assigned to government activities (as opposed to contractors) such as another service, a laboratory, a field activity, or another agency. Tasks can be correlated by various attributes such as funding citation, project, performing activity, etc. Requires 1 disk.

PARAMETRIC COST ESTIMATING RELATIONSHIP (PACER) MODULE

The PACER module is designed to assist an analyst in collecting, developing, and documenting cost estimating relationships and cost factors. PACER also contains a "tool box" of stand-alone cost applications related to cost estimating such as learning curve analysis, statistical analysis, discounting, escalation, work breakdown structure development, and graphical representation of data and regressions. Requires 2 disks.

PROGRAM OFFICE ORGANIZATION AND STAFFING (PROS) MODULE

The PROS module allows the user to develop office organization charts, enter data relative to the positions, and keep track of on-board counts in various categories. Requires 1 disk.

PROCUREMENT STRATEGY MODULE (PSM)

The PSM assists in selecting a procurement strategy to be pursued during each phase of a given weapon's life cycle. The user enters specific program parameters and the module compares these with a historical data base of real program data to identify the strategies with the highest probability of meeting the initial operational capability (IOC). The historical data base is currently limited to tactical missiles and electronic subsystems. Will also run on the Zenith 120/110. Requires 1 disk.

QUICK ANALYSIS OF RATES, QUANTITIES, AND COST (QUIKCOST) MODULE

The QUIKCOST module is designed to respond quickly to budget questions of the type: "What is the impact if we cut your production rate from 500/year to 300/year?" The module shows quantity/rate relationships and the impact of stretch-outs and inflation changes. It should be used as strategies are considered for splitting buys or as changes occur that have impact on first unit cost and/or learning curves. Requires 1 disk.

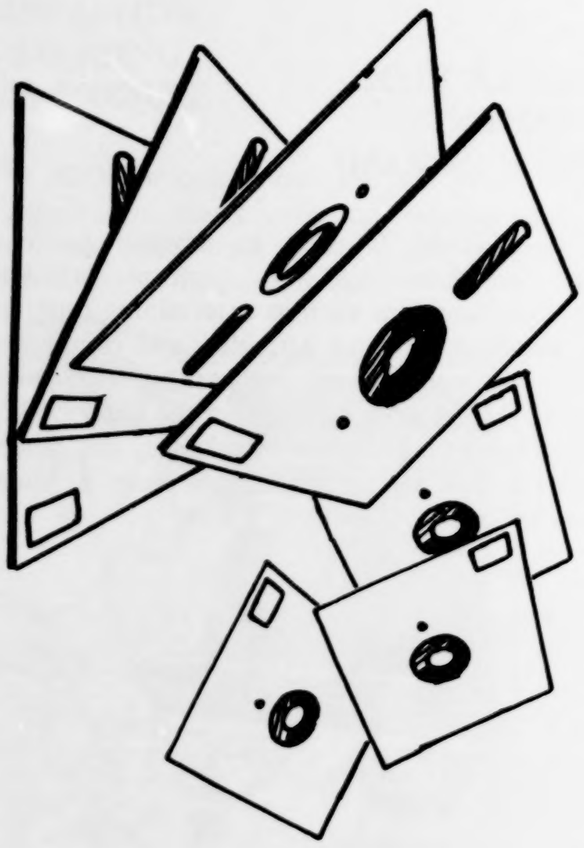
SCHEDULE RISK ASSESSMENT MODULE (SCRAM)

The SCRAM is used to develop program network schedules and to perform schedule management functions such as determining program status, identifying critical activities, and conducting schedule risk assessments. As a risk management tool, SCRAM provides estimates of the likelihood of achieving specified program milestones, and assists the user in developing alternative plans to meet program objectives. Requires 1 disk.

SOFTWARE COST ESTIMATING (SWCE) MODULE

The SWCE module is an application of the Constructive Cost Model (COCOMO) developed by B. Boehm. The user can enter or modify several categories of lines of code and any of 14 cost drivers with results shown in terms of estimated effort in thousands of man-hours and estimated development time in months. To use the module Lotus Symphony Version 1.1 (or later) is required. Graphics capabilities require an EGA board. Requires 1 disk.

Other modules are under development. For information on current projects and their status, call the Software Distribution Center at the phone number listed above.



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